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(21)Application number : 2002-129373 (71)Applicant : HAYADE KOJI  
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## (54) FRUCTOSYLMINE OXIDASE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a new fructosylamine oxidase reactive with fructosylvaline, and to provide a method for producing the oxidase and a method for assaying the oxidase.

**SOLUTION:** The fructosylamine oxidase is produced by culturing a microorganism belonging to *Arthrobacter* sp., or a transformant obtained by transforming a microorganism by a recombinant vector obtained by incorporating a DNA fragment containing a gene encoding the fructosylamine oxidase. The produced fructosylamine oxidase is specific to the fructosylvaline, and the kit sensor using the oxidase is useful for measuring glycosylated hemoglobin.

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## LEGAL STATUS

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